

19 October 1956

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year. It is difficult to estimate the portion of the work which will be performed in the current year, but for purposes of this proposal we have estimated that half of the work will be performed in 1956.

The delivery schedule proposed is our present estimate of the availability of this equipment. Deliveries scheduled for this year will be made from equipment which is being manufactured for existing customer requirements. Systems will be available on the dates shown, but if they are shipped to meet SAC requirements, a deferment of deliveries scheduled under present requirements will be necessary. It is likely that this will not present a problem on System 1 equipment, but only a limited number of System 3 equipments will be available in the current year and will have to be shipped based on the priority of the several requirements.

There was some discussion in the October 5 meeting of a possible increase in the quantity of certain racks of ground duplicating and analysis equipment. The present proposal was based on three complete systems; but the unit prices of the individual racks are shown, and the quantities can be adjusted at a later date for approximately the same unit costs.

The spare lists included with the proposal represent our recommendation for type and quantities of spares to be provided. Based on admittedly limited operating experience, it seems advisable to take a conservative approach to spare provisioning and to make increases in number and quantities of items at a later time if operating experience indicates the need for such change. The costs included in the proposal for spares represents a total of the estimated costs of the itemized lists except in the case of spares for the ground duplicating and analysis equipment. In this case, an additional dollar amount has been included above the estimated cost of the itemized list to provide for additional items of spare equipment which we believe will need to be added to the present list on the basis of initial operating experience.

The development of a new transistorized amplifier and power supply for System 1 was discussed at the October 5 meeting, and work is currently under way on such a development. However, the amplifiers and power supplies proposed in this cost estimate are the present tube-type units. The present version will be shipped under this requirement until the transistorized version becomes available from production.

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In accordance with your letter and verbal authorization, we are proceeding with the procurement and manufacture of the complete systems covered by this proposal under Contract A-101.

Sincerely,



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Enclosures:

Copies 1-3 of 8 of the following documents:

CMCC No. 1131X5.46
CMCC No. 1132X5.42
CMCC No. 1132X5.44
CMCC No. 1131X5.45
CMCC No. 1132X5.41
CMCC No. 1131X5.44 ✓
CMCC No. 1132X5.43 ✓
CMCC No. 1131X5.47
Equipment Lists I thru VI

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CMCC Doc. No. 1131X5.46

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Proposal: NPN-53
5 October 1956

STATEMENT OF WORK

1. The Contractor shall furnish all engineering, labor, supplies and materials necessary to receive, inspect, test, repair, overhaul and return such items of equipment being manufactured under Contract A101 as are returned to the Contractor for repair and overhaul.
2. The Contractor will procure and stock, as government furnished equipment, necessary parts, supplies and materials to perform the estimated required overhaul and maintenance work for a period of two (2) years.

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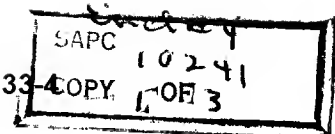
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5 October 1956

DELIVERY SCHEDULE

Inasmuch as each item returned will require varying amounts of work, the Contractor will complete work and return items as expeditiously as possible.

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CMCC Doc. No. 1131X5.45

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5 October 1956

STATEMENT OF WORK

The Contractor proposes to supply engineering, services, and material necessary for the training of two field engineers to become experienced in the theory, structure, maintenance, and operation of System 1 and 3, the associated test sets, and Ground Duplicating and Analysis equipment. Such men to be made available to the Government for approximately twelve (12) months for services with Government operating personnel either overseas (Alternate I) or within the Continental United States (Alternate II).

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Proposal: CAN 19
5 October 1956

STATEMENT OF WORK

The Contractor proposes to supply all the engineering, labor, services and materials necessary for the fabrication and delivery of the following items of equipment:

- | <u>Item No.</u> | <u>Description</u> |
|-----------------|--|
| 1. | <p>Twenty (20) sets of System 1 equipment excluding antennae but including necessary aircraft installation cables. Each system includes:</p> <ul style="list-style-type: none"> (a) Two (2) Amplifiers - MP 10641 (b) One (1) Power Supply - MP 10406 (c) One (1) Magnetic Tape Recorder <i>10737 with</i>
(with special heater covers) - MP 10729 <i>MP 10795</i> (d) Two (2) Cable Assemblies - MP 63003 (e) One (1) Cable Assembly - MP 63005 * (f) One (1) Cable Assembly - MP 63004 * (g) One (1) Cable Assembly - MP 10993 <p>*Cable Lengths to be Determined.</p> |
| 2. | Twenty (20) pairs each of X-band antennae - MP 10308. |
| 3. | Twenty (20) pairs each of S-band antennae - MP 10922. |
| 4. | <p>Spares consisting of the following:</p> <ul style="list-style-type: none"> (a) Five (5) complete sets of System 1 as defined in Item 1. (b) Fly-away kit (FAK) as listed in Equipment List I - This is suitable for 30-day maintenance at an operating base of 20 systems. (c) 360-day depot support equipment as listed in Equipment List II. |
| 5. | Five (5) test sets, MP 10566, for preflight check-out of System 1. |

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<u>Item No.</u>	<u>Description</u>
6.	Fifty (50) copies and one (1) reproducible copy of manuals of operating instructions for System 1 and the System 1 test set.
7.	Five (5) sets and one (1) reproducible set of existing manufacturing drawings used by the Contractor for System 1. Certain assembly and sub-assembly drawings are not available, nor are the manufacturing drawings to Military Standard Specifications.
8.	Twenty (20) sets of System 3 equipment including the junction box and cable necessary for aircraft installation. Each system includes: <ul style="list-style-type: none">(a) One (1) Junction Box - MP 10667(b) One (1) Receiving Set - MP 10199(c) One (1) Recorder - MP 10729* (d) One (1) Cable Assembly - MP 10806* (e) One (1) Cable Assembly - MP 63004(f) One (1) Cable Assembly - MP 10196(g) One (1) Cable Assembly - MP 10171* (h) One (1) Cable Assembly - MP 10929* Cable Lengths to be Determined.
9.	Twenty (20) sets of conversion kits, MP 10535, consisting of three (3) plug-in board sub-assemblies required to modify this system for restricted frequency coverage.
10.	Spares for System 3 consisting of the following: <ul style="list-style-type: none">(a) Five (5) complete sets of System 3 as defined in Item 8.(b) Five (5) sets of conversion kits as defined in Item 9.(c) Fly-away kit (FAK) as listed in Equipment List III. This is planned for 30-day maintenance at an operating base of 20 systems.(d) 360-day depot support equipment as listed in Equipment List IV.

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<u>Item No.</u>	<u>Description</u>
11.	Five (5) test sets for preflight checkout of System 3, MP 11007, including: <ul style="list-style-type: none"> (a) One (1) Blower - MP 10336 (b) One (1) Cable Assembly - MP 10195 (c) One (1) Cable Assembly - MP 10492 (d) One (1) Cable Assembly - MP 63030 (e) One (1) Cable Assembly - MP 11009 (f) One (1) Air Hose - MP 11018
12.	Fifty (50) copies and one (1) reproducible copy of manuals of operating instructions for System 3 and the System 3 test set.
13.	Five (5) sets and one (1) reproducible set of existing manufacturing drawings used by the Contractor for System 3. Assembly and sub-assembly drawings are not available, nor are the manufacturing drawings to Military Standard Specifications.
14.	Three (3) sets of Ground Duplicating and Analysis equipment, composed of the following units: <ul style="list-style-type: none"> (a) Playback and time-mark-counter equipment - MP 10939 (A-Rack) (b) Re-record and Aural equipment MP 10927 (B1-Rack) (c) Re-record equipment and transport sequence control - MP 10948 (B2-Rack) (d) Analysis playback equipment MP 10942 (C-Rack) <i>E 2 c</i> (e) PRF Indicator - MP 10610 (D-Rack) <i>E 2 d</i> (f) Frequency indicator - MP 10549 (E-Rack) (g) Event-marker equipment - MP 10933 (F-Rack) <i>E 2 f</i>
15.	Maintenance parts for Ground Duplicating and Analysis equipment consisting of the following:

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<u>Item No.</u>	<u>Description</u>
	<p>(a) Equipment, in the quantities listed, as specified in Equipment List V.</p> <p>(b) 360-day depot support equipment which is comprised of twice the amount of equipment specified in Equipment List V.</p>
16.	Ten (10) copies and one (1) reproducible copy of each of the nine (9) manuals describing maintenance and operation of each of the units of the Ground Duplicating and Analysis equipment and of the total system.
17.	Three (3) sets and one (1) reproducible set of existing drawings used by the Contractor for fabrication of Ground Duplicating and Analysis equipment. Certain assembly and sub-assembly drawings are not available nor do the existing drawings conform to Military Standard Specifications.
18.	A training program in the theory, structure, operation and maintenance of Systems 1 and 3 and of the Ground Duplicating and Analysis equipment including related test equipment. This program will be of ten (10) weeks duration and given to approximately eighteen (18) people designated by the Government.
19.	Equipment, including tools, jigs, fixtures and commercial test equipment, as specified in Equipment List VI. The equipment as listed therein is in addition to the test sets provided for System 1 and System 3 and is necessary for field maintenance and support of the systems at one (1) base location.

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PROPOSAL: CAN 19

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DELIVERY SCHEDULE

Deliveries will be made on the items in the statement of work in accordance with the following schedule. All delivery of equipment scheduled for 1956 will have to be made on a loan basis from finished equipment constructed for other customers:

		<u>Date</u>	<u>System No.</u>
<u>System 1</u>			
Item 1	Complete System 1	October 29	1
		November 19	2 and 3
		December 3	4 and 5
		January 1	6
		January 14	7, 8 and 9
		February 11	10, 11 and 12
		March 18	13 and 14
		April 15	15 and 16
		May 13	17 and 18
		June 10	19 and 20
Item 2	X-band Antennas	Same as above	
Item 3	S-band Antennas	Same as above	
Item 4	Maintenance Parts		
(a)	Complete systems in accordance with the following schedule		
		December 31	1
		February 11	2
		March 18	3
		April 15	4
		May 20	5

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		<u>Date</u>	<u>System No.</u>
(b)	Fly-away Kit	January 14	
(c)	360-day Depot Stock Items	January 14 March 18 May 20	1/3 1/3 1/3
Item 5	Test Sets	January 14 March 11 May 20	1 and 2 3 and 4 5 and 6
Item 6	Instructions Manuals	January 14	Smaller quantities in advance of this date can be supplied as required
Item 7	Drawings (Upon completion of shipment, approx- imately)	July 15	
<u>System 3</u>			
Item 8	Complete System 3	Same as Item 1	
Item 9	Conversion Kits	Same as Item 1	
Item 10	Maintenance Parts	Same as Item 4	
Item 11	Test Sets	Same as Item 5	
Item 12	Instruction Manuals	Same as Item 6	
Item 13	Drawings	Same as Item 7	

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PROPOSAL: CAN 19

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		<u>Date</u>	<u>System No.</u>
<u>Ground Duping and Analysis Equipment for System 1 and 3 Tapes</u>			
Item 14	Complete Systems	January 14	System 1
		March 11	System 2
		May 20	System 3
Item 15	Maintenance Parts		
(a)	Spare Parts Kit	1 each with systems	
(b)	380-day Depot Stock	February 11	1/3
		June 17	Balance
Item 16	Instruction Manuals	January 14	
Item 17	Drawings (Upon completion of shipment, approximate- ly)	July 15	
<u>Support Requirements</u>			
Item 18	Training Program	At the Government's discretion	
Item 19	Special List of Equipment	January 14	

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